



State of Illinois

ENVIRONMENTAL PROTECTION AGENCY

USEPA

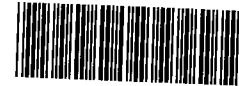
Mary A. Gade, Director

2200 Churchill Road, Springfield, IL 62794-9276

217/524-3300

December 12, 1995

US EPA RECORDS CENTER REGION 5



1002110

Sherex Chemical Company, Inc.

(A Wholly Owned Subsidiary of Whitco Corp.)

Attn: Serin R. Rao, P.E.

Manager, Safety, Health and Environmental Affairs

U.S. Route 24, P.O. Box 9

Mapleton, Illinois 61547

Re: 1438050006 -- Peoria County A. 4.1

Sherex Chemical Company, Inc.

* ILD095792859

Log No. C-751 (PCB 91-202)

RCRA Closure

Dear Mr. Rao:

The closure plan submitted by yourself on behalf of Sherex Chemical Company has been reviewed by this Agency. Your final closure plan to close the two hazardous waste container storage units (S01) is hereby approved subject to the following conditions and modifications:

1. This approval is contingent upon Sherex's withdrawal and dismissal of its permit appeal before the Illinois Pollution Control Board (Docket Number PCB 91-202).
2. Closure activities must be completed by May 30, 1996. When closure is complete the owner or operator must submit to the Agency certification both by the owner or operator and by an independent registered professional engineer that the facility has been closed in accordance with the specifications in the approved closure plan. This certification must be received at this Agency within sixty (60) days after closure, or by July 31, 1995. These dates may be revised if Sherex finds that additional time is necessary to complete all required closure activities and demonstrates to the agency that it is attempting to complete closure in a timely manner.

The attached closure certification form must be used. Signatures must meet the requirements of 35 Ill. Adm. Code Section 702.126. The independent engineer should be present at all critical, major points (activities) during the closure. These might include soil sampling, soil removal, backfilling, final cover placement, etc. The frequency of inspections by the independent engineer must be sufficient to determine the adequacy of each critical activity. Financial assurance must be maintained for the units approved for closure herein until the Agency approves the facility's closure certification.

The Illinois Professional Engineering Act (Ill. Rev. Stat., Ch. 111, par. 5101 et. seq.) requires that any person who practices professional engineering in the State of Illinois or implies that he (she) is a professional engineer must be registered under the Illinois Professional Engineering Act (par. 5101, Sec. 1). Therefore, any certification or engineering services which are performed for a closure plan in the State of Illinois must be done by an Illinois P.E.

Plans and specifications, designs, drawings, reports, and other documents rendered as professional engineering services, and revisions of the above must be sealed and signed by a professional engineer in accordance with par. 5119, sec. 13.1 of the Illinois Professional Engineering Act.

* As part of the closure certification, to document the closure activities at your facility, a Closure Documentation Report which must be submitted which includes the following:

- a. The volume of waste, waste residue and contaminated soil (if any) removed. The term waste includes wastes resulting from decontamination activities.
- b. Scaled drawings showing the horizontal and vertical boundaries of the extent of any soil removal effort.
- c. A description of the method of waste handling and transport.
- d. The waste manifest numbers.
- e. Copies of the waste manifests.
- f. Information documenting the results of all sampling/analysis efforts. The goal of presenting this information should be to describe, in a logical manner, the activities and results associated with the sampling/analysis effort. At a minimum, this information must include:
 1. identification of the reason for the sampling/analysis effort and the goals of the effort;
 2. a summary in tabular form of all analytical data, including all quality assurance/quality control data;
 3. a scaled drawing showing the horizontal location from which all soil samples were collected;

4. identification of the depth and vertical interval from which each sample was collected;
 5. a description of the soil sampling procedures, sample preservation procedures and chain of custody procedures;
 6. identification of the test method used and detection limits achieved, including sample preparation, sample dilution (if necessary) and analytical inferences;
 7. copies of the final laboratory report sheets, including final sheets reporting all quality assurance/quality assurance dates;
 8. visual classification of each soil sample in accordance with ASTM D-2488;
 9. a summary of all procedures used for quality assurance/quality control, including the results of these procedures; and
 10. a discussion of the data, as it relates to the overall goal of the sampling/analysis effort.
- g. Color photo documentation of closure. Document conditions before, during and after closure.
- h. A chronological summary of closure activities and the cost involved.

The original and two (2) copies of all certifications, logs, or reports which are required to be submitted to the Agency by the facility should be mailed to the following address:

Illinois Environmental Protection Agency
Bureau of Land -- #33
Permit Section
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276

3. The concrete surfaces of the two container storage units shall be visually inspected, photographed and any residue adhering to the surface must be removed by scraping and/or brushing. Following this, the concrete surfaces must be steam cleaned and triple rinsed. All wash and rinse water shall be collected. If analysis of the wash or rinse water samples detect the presence of F002, F003, F005, U009, U103, constituents above the constituent's PQL identified in Test Methods for Evaluating Solid Wastes, Third Edition (SW-846), then that

material must be managed as a hazardous waste. If the wash or rinse water samples exhibit a characteristic of hazardous waste then that material must be managed as a hazardous waste. In any event the material must at least be managed as a special waste.

After cleaning the concrete surfaces, an independent registered professional engineer shall inspect the integrity of the concrete surfaces. These surfaces shall be inspected for cracks which penetrate through the concrete. In addition, all construction joints must be inspected to ensure they are watertight. This inspection must be carried out in accordance with standards and recommendations of professional/technical entities such as the American Concrete Institute, the Portland Cement Association the American Society for Testing and Materials, the American Society of Civil Engineers, etc. which relate to the ability of concrete structures to contain liquids. The results of this inspection shall be (1) submitted in the form of a report, (2) submitted to the agency by March 31, 1995, and (3) certified in accordance with 35 Ill. Adm. Code 702.126 by the engineer. The reports must include (1) the results of the inspection, (2) scaled drawings showing the location of all cracks and construction joints observed during the investigation, (3) conclusions reached regarding any cracks or construction joints observed in the areas of concern, (4) justification for the conclusions reached (e.g., information must be provided which indicates that any construction joints in the areas of concern are indeed watertight), and (5) photographs to support the conclusions reached.

4. If joints, cracks or other defects are found in the concrete surfaces during the inspection required by Condition 2 above which would potentially allow hazardous waste or hazardous constituents to migrate through them, then soil samples must be collected from beneath them to determine if hazardous waste or hazardous constituents have been released to the underlying soil. This sampling/analysis effort shall be carried out in accordance to the below listed procedures.
 - a. Samples must be collected from at least one location along each joint or crack that provides a potential for hazardous waste or hazardous constituents to migrate to underlying soil. If the crack/joint is more than 15' long, then samples must be collected from along crack/joint at 15' intervals. Such locations shall be biased to stained areas or low-lying areas where spills would tend to accumulate.
 - b. The procedures used to collect and analyze all samples shall be carried out in accordance with the procedures approved by this letter.
 - c. Samples shall be collected from 0"-6" and from 18"-24" below the subgrade/natural soil interface.

5. The following procedure must be utilized in the collection of all required soil samples:
 - a. The procedures used to collect the soil samples must be sufficient so that all soil encountered is classified in accordance with ASTM Method D-2488.
 - b. If a drill rig or similar piece of equipment is necessary to collect required soil samples, then:
 1. the procedures specified in ASTM Method D-1586 (Split Spoon Sampling) or D-1587 (Shelby Tube Sampling) must be used in collecting the samples.
 2. Soil samples must be collected continuously at several locations to provide information regarding the shallow geology of the area where the investigation is being conducted;
 - c. Soil samples not collected explicitly for VOC analysis should be field-screened for the presence of VOCs.
 - d. All soil samples that will be analyzed for volatile organic compounds must be collected in accordance with Attachment 7 of the Agency's RCRA closure plan instructions;
 - e. All other soil samples must be collected in accordance with the procedures set forth in SW-846;
 - f. When visually discolored or contaminated material exists within an area to be sampled, horizontal placement of sampling locations shall be adjusted to include such visually discolored and/or contaminated areas. Sample size per interval shall be minimized to prevent dilution of any contamination.
6. Quality assurance/quality control procedures that meet the requirements of SW-846 must be implemented during all required sampling/analysis efforts.
7. All soil samples shall be analyzed individually (i.e., no compositing). Analytical procedures shall be conducted in accordance with Test Methods for Evaluating Solid Wastes, Third Edition (SW-846). When a SW-846 (Third Edition) analytical method is specified, all the chemicals listed in the Quantitation Limits Table for that method shall be reported unless specifically exempted in writing by the Agency. Apparent visually contaminated material within a sampling interval shall be included in the sample portion of the interval to be analyzed. To demonstrate a parameter is not present in a sample, analysis results must show a detection limit at least as low as the PQL for that parameter in the third edition of SW-846. For inorganic parameters, the detection limit must be at least as low as the RCRA Groundwater Detection Limits, as referenced in SW-846 (Third Edition) Volume 1A, pages

TWO-29 and TWO-30, Table 2-15. If possible, your sampling program should be extensive enough to determine the lateral and vertical extent of contamination to the detection limit (PQLs) referenced above. Each soil sample must be analyzed using the methods identified in Section III, Table 1 of the Approved Closure Plan.

8. If soil sampling is required under Condition 3, a report documenting the sampling/analysis results must be submitted to the Agency by March 31, 1995. This report must include:
 - a. identification of the reason for the sampling/analysis effort and the goals of the effort;
 - b. a summary in tabular form of all analytical data, including all quality assurance/quality control data;
 - * c. a scaled drawing showing the horizontal location from which all soil samples were collected;
 - d. identification of the depth and vertical interval from which each sample was collected;
 - e. a description of the soil sampling procedures, sample preservation procedures and chain of custody procedures;
 - f. identification of the test method used and detection limits achieved, including sample preparation, sample dilution (if necessary) and analytical inferences;
 - g. copies of the final laboratory report sheets, including final sheets reporting all quality assurance/quality assurance dates;
 - h. visual classification of each soil sample in accordance with ASTM D-2488;
 - i. a summary of all procedures used for quality assurance/quality control, including the results of these procedures; and
 - j. a discussion of the data, is it related to the overall goal of the sampling/analysis effort.
9. If soil sampling is required, the Agency will establish cleanup objectives to be used to determine if "clean" closure (closure by removal) has been achieved upon receipt and review of the sampling and analytical results required in Condition 8. The Agency will consider the results of the background soil sampling proposed in Section 3.2 of the approved closure plan in determining cleanup objectives. Note that the locations of background samples should be approved by the Agency prior to sampling.

10. The attached form entitled RCRA Interim Status Closure and Post-Closure Care Plans General Form (LPC-PA18) must be completed and accompany all information submitted to the Agency associated with the closure activities described in this letter. As noted on this form, two copies must accompany the original of all submittals, so that the information submitted can be distributed, as necessary to Agency personnel and regional offices.
11. All references to the "Agency's RCRA closure plan instructions" refer to the document entitled Instructions for the Preparation of Closure Plans for Interim Status RCRA Hazardous Waste Facilities, December 11, 1990.
12. If the Agency determines that implementation of this closure plan fails to satisfy the requirements of 35 Ill. Adm. Code, Section 725.211, the Agency reserves the right to amend the closure plan. Revisions of closure plans are subject to the appeal provisions of Section * 40 of the Illinois Environmental Protection Act.
13. If contamination is detected, the Agency must be notified in writing within fifteen (15) days. A revised closure plan addressing remediation of the contamination detected must be submitted within timeframes established by the Agency.
14. Under the provisions of 29 CFR 1910 (51 FR 15,654, December 19, 1986), cleanup operations must meet the applicable requirements of OSHA's Hazardous Waste Operations and Emergency Response standard. These requirements include hazard communication, medical surveillance, health and safety programs, air monitoring, decontamination and training. General site workers engaged in activities that expose or potentially expose them to hazardous substances must receive a minimum of 40 hours of safety and health training off site plus a minimum of three days of actual field experience under the direct supervision of a trained experienced supervisor. Managers and supervisors at the cleanup site must have at least an additional eight hours of specialized training on managing hazardous waste operations.
15. The Illinois Pollution Control Board recently finalized regulations establishing groundwater quality standards for the State of Illinois (see 35 IAC 620). As such, the Agency must ensure that the soil cleanup objectives established for this facility will not cause any future violations of these standards. Therefore, unless site specific information is submitted to the Agency to indicate otherwise, soil cleanup objectives for this site will be based upon the protection of Class I groundwater (potable resource groundwater). Guidance regarding the information which must be provided to the Agency for review and approval demonstrating that the soil cleanup objectives should be based upon the protection of Class II groundwater (general resource groundwater) may be obtained by contacting the Agency's Bureau of Land Permit Section at 217/524-3300.

16. 35 IAC 721.131 F001 through F005 wastes must be disposed in accordance with 35 IAC Part 728.
17. To avoid creating another regulated storage unit during closure, it is recommended that you obtain any necessary permits for waste disposal prior to initiating excavation activities. If it is necessary to store excavated hazardous waste on-site prior to off-site disposal, do so only in containers or tanks for less than ninety (90) days. Do not create regulated waste pile units by storing the excavated hazardous waste in piles. The ninety (90) day accumulation time exemption (35 IAC 722.134) only applies to containers and tanks.
18. Please be advised that the requirements of the Responsible Property Transfer Act (Public Act 85-1228) may apply to your facility due to the management of RCRA hazardous waste. In addition, please be advised that if you store or treat on-site generated hazardous waste in containers or tanks pursuant to 35 IAC 722.134, those units are subject to the closure requirements identified in 35 IAC 722.134(a)(1).
19. All hazardous wastes that result from this project are subject to annual reporting as required in 35 IAC 722.141 and shall be reported to the Agency by March 1 of the following year for wastes treated and left on-site or shipped off-site for storage, treatment and/or disposal during any calendar year. Additional information and appropriate report forms may be obtained from the Agency by contacting:

Facility Reporting Unit
Bureau of Land
Illinois Environmental Protection Agency
2200 Churchill Road
P.O. Box 19276
Springfield, Illinois 62794-9276

Should you have any questions regarding this matter, please contact Mark L. Crites at 217/524-3269.

Sincerely,



Edwin C. Bakowski, P.E.
Manager, Permit Section
Bureau of Land

ECB:MLC:bjh\95451S.WPD

Attachments: 1) Closure Certification Statement
2) RCRA Interim Status Closure and Post-Closure Care Plans General Form

cc: USEPA Region V -- Hak Cho

ATTACHMENT

This statement is to be completed by both the responsible officer and by the registered professional engineer upon completion of closure. Submit one copy of the certification with original signatures and three additional copies.

Closure Certification Statement Closure Log C-751

The two hazardous waste container storage units (S01) at the facility described in this document have been closed in accordance with the specifications in the approved closure plan. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

The Owner/Operator hereby certifies that he has recorded the notation specified in 35 Ill. Adm. Code, Section 725.219(b)(1) as amended March 24, 1987.

USEPA ID Number

Facility Name

Signature of Owner/Operator Date

Name and Title

Signature of Registered P.E. Date

Name of Registered P.E. and Illinois
Registration Number

Mailing Address of P.E.:

Registered P.E.'s Seal:

ECB:MLC:bjh\95451S.WPD

Witco

Witco Corporation, U.S. Rt. 24, P.O. Box 9, Mapleton, IL 61547 Telephone: 309-697-6220 Fax: 309-697-9493

May 31, 1995

RECEIVED
Certified Mail
JUN 14 1995

**OFFICE OF RCRA
WASTE MANAGEMENT DIVISION
EPA, REGION V.**

Mr. Mark Crites
Illinois Environmental Protection Agency
Bureau of Land, Permit Section
Hazardous Waste Branch Management
2200 Churchill Road
Springfield, Illinois 62794-9276
Attn: Mark Crites

RE: Sherex Chemical Company, Inc.
(A wholly owned subsidiary of Witco Corp.)
IEPA I.D. #1438050006 - Peoria County
USEPA I.D. #ILD095792859
Log #C-751
RCRA Closure File

Dear Mr. Crites:

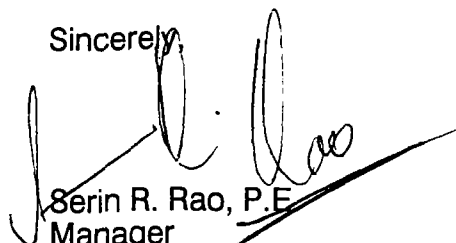
This is to confirm our discussion on May 19, 1995 in regard to the Agency's May 18, 1995 letter.

You agreed that the information requested per Section 206 & 233 of the HSWA in the May 18, 1995 letter was already contained in the facility's RCRA Part B Permit Application submitted to the Agency. Therefore, the conclusion was that no further action is required on the facility's part since the Agency's request was complied in the previous submittals.

For your information, a copy of our letter dated April 30, 1995, is enclosed. This enclosed letter pertains to the closure plan submittal for the two (2) Hazardous Waste Storage Areas and about future submittal of Phase I Work Plan for the five (5) Solid Waste Management Units (SWMUs).

Should you have any questions, please contact me at 309/697-6220, Ext. 322.

Sincerely,


Serin R. Rao, P.E.
Manager
Safety, Health, and Environmental Affairs

SRR:ksw
g:l-rcrac751

Enclosure

cc: George Harper
USEPA - Region V



DUTCH
COUNCIL FOR
CERTIFICATION



Registered Firm
ISO 9002/Q92
Certificate QSR-218



REGISTRAR
ACCREDITATION
BOARD

Witco

Witco Corporation, U.S. Rt. 24, P.O. Box 9, Mapleton, IL 61547 Telephone: 309-697-6220 Fax: 309-697-9493

April 28, 1995

Certified Mail

Mr. Harry A. Chappel, P.E.
Hazardous Waste Branch Manager
Permit Section, Bureau of Land
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62794-9276

RE: 143805006 - Peoria County
Sherex Chemical Co., Inc.
(A wholly owned subsidiary of Witco Corp.)
ILD095792859
RCRA - Permit/Closure Plan
Log No. B-111

Dear Mr. Chappel:

Enclosed please find four (4) copies of Closure Plan for the two (2) Hazardous Waste Units located at our Mapleton facility for your review and approval.

In addition, we would like to request an additional ninety (90) days for the submittal of a RCRA Facility Investigation Phase I Workplan for the five (5) SWMUs. We have completed the selection of a consulting firm to prepare the plan. The plan will be submitted to the Agency by no later than July 31, 1995.

Meanwhile, should you have any questions, please contact me at 309/697-6220, Ext. 322.

Sincerely,


Serin R. Rao, P.E.
Manager
Safety, Health, and Environmental Affairs

SRR:ksw
g:closure

Enclosures





USEPA

217/782-6761

April 22, 1992

Sherex Chemical Co.
Attn: Serin Rao
Route 24, P.O. Box 9
Mapleton, IL 61547

Refer to: 1438050006 -- Peoria County
Sherex Chemical Company
Closure Plan Approved: January 28, 1991
Closure Log #: C-572
ILD095792859 CERTIFIED #:
RCRA CLOSURE

Dear Mr. Rao:

Certification that the hazardous waste container storage area (old drum storage area #1) had been closed in accordance with the approved closure plan by the owner/operator, Sherex Chemical Co., and an independent registered professional engineer, Mark Zimmerman, of Illinois was received at this Agency February 3, 1992.

The Agency has determined that the closure of the hazardous waste container storage area (old drum storage area #1) has apparently met the requirements of Interim Status Standards, 35 Ill. Admin. Code, Part 725 (40 CFR, Part 265).

This facility must continue to meet the requirements of a generator of hazardous waste under 35 Ill. Adm. Code Part 722 and a hazardous waste container storage facility under 35 Ill. Adm. Code Parts 703 and 725.

If you have any questions, please contact James Jones at 309/693-5462.

34

Sincerely,

Glenn D. Savage

Glenn D. Savage, Manager
Field Operations Section
Division of Land Pollution Control
Bureau of Land

GDS:JJJ:sjd

cc: USEPA Region V, George Hamper
USEPA Region V, Loraine Kosak
USEPA Region V, Jane Ratcliffe
Mark Zimmerman, P.E.



217/782-6762

Log No. C-572

Received: January 4, 1991

Refer to: LPC# 1438050006 -- Peoria County
Sherex Chemical Company
ILD095792859
RCRA-Closure

January 28, 1991

Sherex Chemical Company
Attn: Serin R. Rao, P.E., Manager
Environmental Engineering
Post Office Box 9
Mapleton, Illinois 61547

Dear Mr. Rao:

The closure plan submitted by you and prepared by Regulatory Compliance Professionals, Inc. has been reviewed by this Agency. Your partial closure plan to close the hazardous waste container (S01) storage area is hereby approved subject to the following conditions and modifications.

1. Closure activities must be completed by September 1, 1991. When closure is complete the owner or operator must submit to the Agency certification both by the owner or operator and by an independent registered professional engineer that the facility has been closed in accordance with the specifications in the approved closure plan. This certification must be received at this Agency within sixty (60) days after closure, or by November 1, 1991.

The attached closure certification form must be used. Signatures must meet the requirements of 35 Ill. Adm. Code Section 702.126. The independent engineer should be present at all critical, major points (activities) during the closure. These might include soil sampling, soil removal, backfilling, final cover placement, etc. The frequency of inspections by the independent engineer must be sufficient to determine the adequacy of each critical activity. Financial assurance must be maintained for the units approved for closure herein until the Agency approves the facility's closure certification.

The Illinois Professional Engineering Act (Ill. Rev. Stat., Ch. 111, par. 5101 et. seq.) requires that any person who practices professional engineering in the State of Illinois or implies that he (she) is a professional engineer must be registered under the Illinois Professional Engineering Act (par. 5101, Sec. 1). Therefore, any certification or engineering services which are performed for a closure plan in the State of Illinois must be done by an Illinois P.E.



Plans and specifications, designs, drawings, reports, and other documents rendered as professional engineering services, and revisions of the above must be sealed and signed by a professional engineer in accordance with par. 5119, sec. 13.1 of the Illinois Professional Engineering Act.

As part of the closure certification, to document the closure activities at your facility, please submit a Closure Documentation Report which includes:

- a. The volume of waste and waste residue removed. The term waste includes wastes resulting from decontamination activities.
- b. A description of the method of waste handling and transport.
- c. The waste manifest numbers.
- d. Copies of the waste manifests.
- e. A description of the sampling and analytical methods used including sample preservation methods and chain-of-custody information.
- f. A chronological summary of closure activities and the cost involved.
- g. Color photo documentation of closure. Document conditions before, during and after closure.
- h. Tests performed, methods and results.

The original and two (2) copies of all certifications, logs, or reports which are required to be submitted to the Agency by the facility should be mailed to the following address:

Illinois Environmental Protection Agency
Division of Land Pollution Control -- #24
Permit Section
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276

2. This facility must continue to meet the applicable requirements of 35 IAC - Subtitle G for those units identified on the Part A application and in the Part B application not approved for closure herein.
3. The approval of this partial closure plan does not relieve Sherex Chemical Company of the responsibility of providing financial assurance for the remainder of the facility which is subject to closure, in accordance with 35 IAC Part 725 Subpart H.



Page 3

4. In accordance with 35 Ill. Adm. Code Sections 703.152 and 703.155, closure of your S01 unit requires modification of your Part A application. Please complete this form and submit it with your closure certification.
5. If the Agency determines that implementation of this closure plan fails to satisfy the requirements of 35 Ill. Adm. Code, Section 725.211, the Agency reserves the right to amend the closure plan. Revisions of closure plans are subject to the appeal provisions of Section 40 of the Illinois Environmental Protection Act.
6. A revised cost estimate and financial assurance instruments should be submitted with the closure certification documents.
7. Under the provisions of 29 CFR 1910 (51 FR 15,654, December 19, 1986), cleanup operations must meet the applicable requirements of OSHA's Hazardous Waste Operations and Emergency Response standard. These requirements include hazard communication, medical surveillance, health and safety programs, air monitoring, decontamination and training. General site workers engaged in activities that expose or potentially expose them to hazardous substances must receive a minimum of 40 hours of safety and health training off site plus a minimum of three days of actual field experience under the direct supervision of a trained experienced supervisor. Managers and supervisors at the cleanup site must have at least an additional eight hours of specialized training on managing hazardous waste operations.
8. The concrete surfaces shall be visually inspected, photographed and any residue adhering to the surface must be removed by scraping and/or brushing. Following this, the concrete surfaces must be steam cleaned and triple rinsed. All wash and rinse water shall be collected. If the wash or rinse water samples exhibit a characteristic of hazardous waste then that material must be managed as a hazardous waste. In any event the material must be managed as a special waste. If, after cleaning the concrete surfaces, any cracks, joints or other defects are found that would allow waste to migrate through the concrete into the underlying soil, a closure plan modification request addressing soil sampling at those locations must be submitted to this Agency within sixty (60) days of such a finding.
9. To avoid creating another regulated storage unit during closure, obtain any necessary permits for waste disposal prior to initiating excavation activities. If it is necessary to store excavated



Page 4

hazardous waste on-site prior to off-site disposal, do so only in containers or tanks for less than ninety (90) days. Do not create regulated waste pile units by storing the excavated hazardous waste in piles. The ninety (90) day accumulation time exemption (35 IAC 722.134) only applies to containers and tanks.

10. Please be advised that the requirements of the Responsible Property Transfer Act (Public Act 85-1228) may apply to your facility due to the management of RCRA hazardous waste. In addition, please be advised that if you store or treat on-site generated hazardous waste in containers or tanks pursuant to 35 IAC 722.134, those units are subject to the closure requirements identified in 35 IAC 722.134(a)(1).
11. All hazardous wastes that result from this project are subject to annual reporting as required in 35 IAC 722.141 and shall be reported to the Agency by March 1 of the following year for wastes treated and left on-site or shipped off-site for storage, treatment and/or disposal during any calendar year. Additional information and appropriate report forms may be obtained from the Agency by contacting:

Facility Reporting Unit
Division of Land Pollution Control
Illinois Environmental Protection Agency
P.O. Box 19276
Springfield, Illinois 62794-9276

Should you have any questions regarding this matter, please contact Charlie Zeal at 217/782-6762.

Very truly yours,

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:GTR:sap/0204q,82-85

Attachment

cc: Peoria Region
Division File - RCRA Closure
USEPA Region V -- George Hamper
Division of Legal Counsel
G. Tod Rowe
RPMS JIM JANSSEN
GARY KING



ATTACHMENT

This statement is to be completed by both the responsible officer and by the registered professional engineer upon completion of closure. Submit one copy of the certification with original signatures and three additional copies.

Closure Certification Statement

Closure Log C-572

The hazardous waste management S01 unit at the facility described in this document has been closed in accordance with the specifications in the approved closure plan. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

USEPA ID Number_____
Facility Name_____
Signature of Owner/Operator_____
Name and Title_____
Signature of Registered P.E._____
Name of Registered P.E. and Illinois
Registration Number_____
Date

LWE:GTR:sap/0204q,86

CLOSURE LOG # : 572
FACILITY : SHEREX CHEMICAL
STATE ID # : 1438050006
FED ID # : ILD095792859
STATUS : P
TYPE : P
NOTIFY RPMS : Y

LOCATION : MAPLETON
COUNTY : PEORIA
REVIEWER : GTR
NOTIFY FDS : Y
NOTIFY CMS : Y
PN :
INSP :

1st-RECD : 91/01/04
90-DUE : 91/04/04
1-MAILED : 91/01/28
APP or REJ : APP

2nd-SCHED :
2nd-RECD :
60-DUE :
2-MAILED :

CERTIFICATION DUE : 91/11/01

CERTIFICATION RECD :

CLOSED :

CLEAN CLOSURE : Y

UNITS CLOSED : 501

CIL SENT :

UNITS REMAIN : 501*501*

PECL SENT :

G OR T STATUS:

COMMENTS : 2(S02) UNITS ARE INCLUDED IN PART B LOG NO. 111.

CONTAM SOIL-Y/N/? : ? ABOVE FGL-Y/N/? : ? ABOVE CUO-Y/N/? : ?

CONTAM-V0/SV0/M/? : ?

CONTAM GW-Y/N/? : ? ABOVE FGL-Y/N/? : ? ABOVE CUO-Y/N/? : ?

CONTAM-V0/SV0/M/? : ?

MEDIATION-PROP/IN PROG/COMPLETE/NA: NA

VOLUME:

UNIT-T/CY:

SOIL VENT-Y/N:

AERATE-Y/N/ON/OFF:

STABILIZE-Y/N/ON/OFF:

CAP IN PLACE-Y/N:

BIOREM-Y/N:

INCIN-Y/N/ON/OFF:

LANDFILL-Y/N/ON/OFF:

TREATMENT-Y/N/ON/OFF:

PUMP & TREAT GW-Y/N:

PROCESS 1: S01	AMOUNT 1: 5500	UNIT1: 6	ADD/DEL: DEL
PROCESS 2:	AMOUNT 2:	UNIT2:	ADD/DEL:
PROCESS 3:	AMOUNT 3:	UNIT3:	ADD/DEL:
PROCESS 4:	AMOUNT 4:	UNIT4:	ADD/DEL:
PROCESS 5:	AMOUNT 5:	UNIT5:	ADD/DEL:
PROCESS 6:	AMOUNT 6:	UNIT6:	ADD/DEL:

CLOSURE PLAN REVIEW NOTES AND CHECKLIST
SECTION A: REVIEW NOTES
(attach notes or references as necessary)

Facility Name: Sherex Chemical Co. Log No.: C-572

Location (County, Municipality, Township,
Range, Section): Peoria, Mapleton,

State ID: LPC#1438050006 U.S. EPA ID: ILD 095792859

1st Submittal: ^{Dated June 1988}
Received Jan 4, 1989 Reviewer: GT Rowe Mailed: _____

2nd Submittal: _____ Reviewer: _____ Mailed: _____

Regulated Units at the Facility and Their Capacities

Unit	Approved Part A	HWDMs	Closure Plan	Units Closing	Units Remaining Open
<u>S01</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>Yes</u>	<u>*</u>

* Sherex has two (S01) units in a Part B under review.

✓ Partial Closure or _____ Final (full) Closure

_____ Proposed "Clean" Closure or _____ "Dirty" Closure

Status of Facility after Closure: As before closure

Are any new treatment processes proposed to minimize or render nonhazardous,
hazardous waste? No Explain: _____

Will a change in the Part A be necessary if the closure is approved? Yes

Is the facility requesting additional time to start or complete closure than allowed? NO Explain: _____

Size or area of each unit closing: 5' x 42'

Identify wastes managed in each unit (include hazardous waste codes):

Ethanol and Iso propyl alcohol, D001

Volume of wastes disposed of, or located in, units at the facility: _____

5500 gallons maximum volume from Part A

Sampling grid spacing _____ Satisfactory? _____

Total number of samples from unit = _____

Were background samples taken from proper soil horizon? _____

Total number of background samples (minimum of 10 per strata) = _____

Submitted to COT on _____ (date)

Recommendations from COT dated _____

Reviewed by CROPA on _____ (date)

N/A
↓

→ Not considered at this time, will be needed if concrete pad is found to have cracks or joints.

CROPA memo dated _____

N/A

Identify soil and/or groundwater clean-up levels. (Give basis, i.e., closure plan, COT/CROPA recommendation, PQL, etc.)

N/A

Is the portion of the sample to be tested appropriate? *N/A*

Approximate volume of waste to be removed: *N/A*
(yds. or gallons)

Approximate volume of underlying and surrounding soil and liner to be removed:

N/A

How is site to be capped or otherwise restored? *Plan to steam clean and rinse pad (concrete)*

Are there any non-RCRA Solid Waste Management Units? *Yes* Explain: *See Part B Log No. 111*

Have there been any releases from the SWMUs?

Explain: *See Part B Log No. 111*

How is the groundwater to be addressed for the closing unit? *NO*

Is groundwater monitored? *NO*

Is groundwater contaminated? *UNKNOWN*

What is the facility's Subpart F compliance status? *NONE*

If the facility is in assessment, will the assessment be completed prior to final closure? N/A

Is additional groundwater monitoring warranted in closure plan? N/A

Explain: _____

Is groundwater monitoring warranted after closure? N/A Explain: _____

Is the facility being referred to USEPA for corrective action? NO

If so, indicate the type of enforcement: 3013 Order _____

3008(h) Order _____

3005(c) Action _____

Final Action: Approve _____, Disapprove _____, Modify _____

Schedule for closure: Date of Plan Approval: _____

Start closure: _____

Complete closure: _____

Certification due to IEPA: _____

SECTION B: CLOSURE PLAN CHECKLIST

LEGEND

PR: Provided

AD: Adequate

NA: Not Applicable

Note: Respond to questions with
Y for yes and N for no

1. Description of hazardous waste operation and proposed closure (725.212(a) and (b))

PR AD NA

- | | | | |
|-----------|----------|----------|--|
| <u>X</u> | <u>X</u> | — | a. description provided of hazardous waste operations |
| <u>X</u> | <u>X</u> | — | b. description provided for all hazardous waste units at the facility |
| <u>X</u> | <u>X</u> | — | c. identification of units closing |
| <u>X</u> | <u>X</u> | <u>X</u> | d. identification of units remaining open |
| <u>X</u> | <u>X</u> | — | e. maximum inventory of wastes at any time during life of facility (should correspond to Part A volumes) |
| <u>X</u> | <u>X</u> | — | f. description of steps to be taken for decontamination of facility equipment (725.212(b)(4)) |
| <u>X</u> | <u>X</u> | — | g. expected year of closure for all units at the facility (725.212(b)(1)) |
| <u>X</u> | <u>X</u> | <u>X</u> | h. schedule of closure for all units (725.212(b)(6) and (b)(7)) |
| <u>X</u> | <u>X</u> | — | i. plan submitted 180 days prior to initiation of closure (725.212(d)(1)) |
| <u>X</u> | <u>X</u> | — | j. all hazardous wastes and hazardous constituents properly identified |
| <u>NO</u> | — | — | k. groundwater/surface water use in the area identified |

2. Public Involvement (725.212(d)(4))

- | | | | |
|----------|-----------|----------|--|
| <u>X</u> | — | — | a. newspaper notice posted |
| — | <u>NO</u> | — | b. public hearing requested? |
| — | — | <u>X</u> | c. public hearing granted? |
| — | — | <u>X</u> | d. notice of public hearing 30 days prior to hearing |

3. Closure time limits (725.213)

- | | | | |
|----------|----------|----------|--|
| <u>X</u> | <u>X</u> | — | a. 90-day limit for treatment, removal or disposal of hazardous wastes |
| <u>X</u> | <u>X</u> | — | b. 180-day limit for completion of closure activities |
| — | — | <u>X</u> | c. extension of time limits |
| — | — | <u>X</u> | d. justification provided for extension of time limits? |

4. Disposal or decontamination of equipment (725.214)

PR AD NA

- | | | | | |
|----------|----------|---|----|--|
| <u>X</u> | <u>X</u> | — | a. | proper disposal of facility equipment and structures, or |
| <u>X</u> | <u>X</u> | — | b. | decontamination - removal of all hazardous wastes and residues |
| <u>X</u> | <u>X</u> | — | c. | decontamination of equipment used for cleanup |
| <u>X</u> | <u>X</u> | — | d. | decontamination method |
| <u>X</u> | <u>X</u> | — | e. | RCRA wastes and residues to be handled and disposed as hazardous waste |

5. Certification of closure (725.215, 725.216 and 725.219)

- | | | | | |
|----------|----------|----------|----|---|
| <u>X</u> | <u>X</u> | — | a. | provision for certification by owner or operator within 60 days following closure |
| <u>X</u> | <u>X</u> | — | b. | provision for certification by independent registered Professional Engineer that facility was closed in accordance with the approved closure plan |
| <u>X</u> | <u>X</u> | — | c. | provision for Closure Documentation Report to document closure activities |
| — | — | <u>X</u> | d. | survey plat and notification in deed to Agency and appropriate local government office |
| — | — | <u>X</u> | e. | certification to Agency that notification in deed has been made (725.219(b)(2)) |

6. Post-Closure Care Plan required? (725.217)

- | | | | |
|---|---|----------|--|
| — | — | <u>X</u> | Disposal units closing after 1/26/83 are required to obtain a Post-Closure Permit.
Advise facility that a PCC Plan will be called in at a later date. |
|---|---|----------|--|

7. Closure of container storage area (S01).

- | | | | | |
|----------|----------|----------|----|--|
| — | — | <u>X</u> | a. | soil sampling plan |
| — | — | <u>X</u> | | grid spacing |
| — | — | <u>X</u> | | adjacent areas to be sampled for spills and/or windblown particulates |
| — | — | <u>X</u> | b. | soil analysis plan |
| — | — | <u>X</u> | | includes all hazardous constituents |
| — | — | <u>X</u> | | detection limits |
| — | — | <u>X</u> | | sampling increments and total depth of sampling |
| — | — | <u>X</u> | | sample handling and analysis (40 CFR 261, App. III; SW-846; Attachment 7 of this document) |
| <u>X</u> | <u>X</u> | <u>X</u> | c. | removal of contaminated soil |
| <u>X</u> | <u>X</u> | <u>X</u> | d. | cleanup standard |
| <u>X</u> | <u>X</u> | <u>X</u> | e. | post-closure care in lieu of clean closure |
| <u>X</u> | <u>X</u> | — | f. | decontamination of facility |
| <u>X</u> | <u>X</u> | — | g. | decontamination of equipment |
| <u>X</u> | <u>X</u> | — | h. | disposal of cleaning waste and residue |

NO

X	X	—
X	X	—

- i. scale drawing of storage area
- j. surface description (asphalt, concrete, aggregate, soil)
- k. structural integrity and containment devices (cracks, joints, deterioration, curbs, roof)

But ~~certified~~ must be certified by P.E.

8. Closure of tank storage or treatment units (S02, T01 -- 725.297)

N/A

- | | | | | |
|---|---|---|----|---|
| — | — | — | a. | scale drawing of storage area, including secondary containment structures, sumps and drainage pathways |
| — | — | — | b. | description of materials used to construct tanks, ancillary equipment and secondary containment structures |
| — | — | — | c. | present condition of tanks, ancillary equipment and secondary containment structures (i.e., structural integrity and surface condition) |
| — | — | — | d. | removal of all hazardous wastes and residues from: |
| — | — | — | | tanks |
| — | — | — | | pipes and discharge control equipment |
| — | — | — | | discharge confinement structures |
| — | — | — | e. | decontamination of equipment |
| — | — | — | f. | soil testing beneath and around tank, including secondary containment areas, to verify that no spills or leaks have occurred |
| — | — | — | | includes all hazardous constituents |
| — | — | — | | detection limits |
| — | — | — | | sampling increments and total depth of sampling |
| — | — | — | | sample handling and analysis (40 CFR 261, App. III; SW-846; Attachment 7 of this document) |
| — | — | — | g. | cleanup standard |
| — | — | — | h. | removal of contaminated soil |
| — | — | — | i. | removal of tank (required by State Fire Marshall for underground tanks which contained flammable materials) |

9. Closure and post-closure for surface impoundments (S04, D83, T02 - 725.328)

- | | | | | |
|---|---|---|----|---|
| — | — | — | a. | removal of standing liquids |
| — | — | — | b. | removal of wastes and waste residues |
| — | — | — | c. | removal of liner |
| — | — | — | d. | removal of underlying and surrounding contaminated soil |
| — | — | — | e. | cleanup standard |
| — | — | — | f. | management of removed material as hazardous waste unless determined to be nonhazardous under 721.103(c) |
| — | — | — | g. | post-closure care in lieu of material removal (725.328(c)) (40 CFR 265.228(a)(2), March 19, 1987) |
| — | — | — | h. | dewatering, stabilization or other treatment of remaining wastes to provide cover support and/or render waste nonhazardous (40 CFR 265.228(a)(2), March 19, 1987) |
| — | — | — | i. | request for modification of Part A to include T02 if stabilization or treatment is proposed |

PR AD NA

N/A

- j. modification of post-closure requirements due to mitigating factors (725.217(d))
- k. soil sampling plan
 - grid spacing
 - adjacent areas to be sampled for spills and/or windblown particulates
- l. soil analysis plan
 - includes all hazardous constituents
 - detection limits
 - sample handling and analysis (40 CFR 261, App. III; SW-846; Attachment 7 of this document)
- m. groundwater monitoring provided to verify clean closure (724 or 725, Subpart F)

10. Closure and post-closure of waste piles (S03 725.358)

- a. removal or decontamination of all waste residues
- b. removal or decontamination of contaminated:
 - liners
 - subsoils
 - structures and equipment (contaminated with leachate or waste)
- c. management of removed materials as hazardous waste unless determined to be nonhazardous according to 721.103(c) & (d)
- d. post-closure care provided in accordance with 725.410 if all contaminated subsoils can't be removed or decontaminated
- e. soil sampling plan
 - grid spacing
 - adjacent areas to be sampled for spills, tracking and/or windblown particulates
- f. soil analysis plan
 - includes all hazardous constituents
 - detection limits
 - sampling increments and total depth of sampling
 - sample handling and analysis (40 CFR 261, App. III; SW-846; Appendix 7 of this document)

11. Closure and post-closure care objectives for land treatment (D81 725.380(a))

- a. control mitigation of hazardous wastes and hazardous waste constituents into the groundwater
- b. control release of contaminated run-off into surface water
- c. control release of airborne particulate contaminants
- d. compliance with food chain crop requirements (725.376)

12. Considerations to be addressed in land treatment closure and post-closure plans (725.380(b))

PR AD NA

- N/A
- | | | | | |
|---|---|---|----|---|
| — | — | — | a. | type and amount of hazardous wastes and Appendix H hazardous constituents which are contained in the waste |
| — | — | — | b. | mobility of hazardous wastes and constituents |
| — | — | — | c. | site location, topography and surrounding land use and the related potential effects of pollutant migration |
| — | — | — | d. | climate (net precipitation) |
| — | — | — | e. | soil profile and soil properties |
| — | — | — | f. | geologic profile |
| — | — | — | g. | surface and subsurface hydrology |
| — | — | — | h. | unsaturated zone monitoring information (725.378) |
| — | — | — | i. | type, concentration and depth of hazardous waste migration |
| — | — | — | j. | removal of contaminated soils |
| — | — | — | k. | cleanup standards |
| — | — | — | l. | function of final cover |
| — | — | — | m. | engineering characteristics of final cover |
| — | — | — | n. | groundwater monitoring |

13. Requirements during land treatment closure period (725.380(d))

- | | | | | |
|---|---|---|----|--|
| — | — | — | a. | unsaturated zone monitoring |
| — | — | — | b. | maintain run-on control system (725.372(b)) |
| — | — | — | c. | maintain run-off control system (725.372(c)) |
| — | — | — | d. | control wind dispersal of particulates |

14. Certification by qualified soil scientist in lieu of a registered Professional Engineer for closure of land treatment units (725.380(e))

15. Closure of incinerators (T03)

- | | | | | |
|---|---|---|----|---|
| — | — | — | a. | removal of all hazardous wastes and hazardous waste residues, including ash, scrubber waters and scrubber sludges |
| — | — | — | b. | management of residues as hazardous wastes unless determined to be nonhazardous according to 721.103(c) & (d) |

16. Closure of thermal treatment units (725.481)

- | | | | | |
|---|---|---|----|--|
| — | — | — | a. | removal of hazardous waste and hazardous waste residues, including ash |
| — | — | — | b. | management of residues as hazardous waste unless determined to be nonhazardous according to 725.103(c) & (d) |

17. Closure of chemical, physical and biological treatment units (725.504)

- | | | | | |
|---|---|---|----|--|
| + | — | — | a. | removal of all hazardous wastes and hazardous waste residues from treatment process or equipment, discharge control equipment and discharge confinement structures |
|---|---|---|----|--|

PR AD NA

N/A

- b. management of residues as a hazardous waste unless determined to be nonhazardous according to 721.103(c) & (d)

ALL DISPOSAL UNITS

18. Objective of closure and post-closure plans (725.410(b))

- — — a. control of pollutant migration from facility via groundwater, surface water and air
- — — b. control of ponding and surface water infiltration
- — — c. erosion, run-on and run-off control

19. Considerations for achievement of closure objectives (725.410(c))

- — — a. type and amount of hazardous wastes and Appendix H hazardous constituents which are contained in the waste
- — — b. mobility and the expected rate of migration of pollutants
- — — c. site location, topography and surrounding land use and the related potential effects of pollutant migration (proximity to groundwater, surface water and drinking water)
- — — d. climate, including total amount, net amount, frequency and pH of rainfall
- — — e. engineering characteristics of cover, including material, final surface contours, thickness, porosity, slope and length of run of slope
- — — f. geological and soil profiles
- — — g. surface and subsurface hydrology
- — — h. soil balance analysis if on-site soils are to be used for cover and vegetative layer

20. Cover design (725.410(a))

- — — a. grain size analysis and grain size requirements
- — — b. soil classification -- USDA textural and Unified Soil Classification
- — — c. compaction requirements -- should be 90-95% of ASTM D698 (Standard Proctor) density, compacted at a moisture content 3-5% above optimum moisture content
- — — d. type of vegetation proposed
- — — e. hydraulic conductivity
- — — f. slope stability analysis
- — — g. synthetic membrane specifications
- — — h. depth of frost penetration and its effect on the cover system
- — — i. erosion control
- — — j. gas collection system
- — — k. water balance analysis to estimate infiltration
- — — l. settlement/subsidence effects considered

21. Construction procedures for cover (725.410(a))

PR AD NA

N/A

- ☐ ☐ ☐ a. equipment requirements -- sheepsfoot roller, disk and water truck or other provisions for moisture control
- ☐ ☐ ☐ b. lift thickness -- should be 8 inches (loose thickness) or less
- ☐ ☐ ☐ c. construction QA/QC -- number of compaction tests, hydraulic conductivity tests, grain size tests, etc.
- ☐ ☐ ☐ d. hydraulic conductivity testing conducted in accordance with IEPA guidance

22. Notice to local land authority (725.216 and 725.219)

- ☐ ☐ ☐ a. survey plat submitted to the Agency and to County Recorder with closure certification
- ☐ ☐ ☐ b. note on plat which states owner's and operator's obligation to restrict disturbance of the site per 725.217(c)
- ☐ ☐ ☐ c. record provided of type, location and quantity of hazardous waste disposed of within each cell or area of the facility, including wastes disposed prior to January 12, 1981 (725.219(a))

23. Notice in deed to property (725.219)

- ☐ ☐ ☐ a. recorded on deed or other instrument which will be examined during a title search that the land has been used to manage hazardous waste
- ☐ ☐ ☐ b. copy of this instrument and a certification from the owner/operator that it has been properly recorded

24. Maintenance requirements -- activities and frequencies (725.217(a); 725.218(c); 725.410(d))

- ☐ ☐ ☐ a. integrity of final cover or containment structures
- ☐ ☐ ☐ b. leachate collection, removal and treatment systems
- ☐ ☐ ☐ c. groundwater monitoring system
- ☐ ☐ ☐ d. gas collection and control system (if provided)
- ☐ ☐ ☐ e. benchmarks
- ☐ ☐ ☐ f. name, address and phone number for post-closure care contact person (725.218(c)(3))

25. Security

- ☒ ☐ ☐ a. restricted access, if necessary
- ☒ ☐ ☐ b. security provided, if necessary (725.217(b))

26. Groundwater monitoring (725.217(a)(1); 725.218(a)(1); 725.191 to 725.193)

PR AD NA

- | | | | | |
|---|---|---|----|---|
| — | — | X | a. | description of groundwater monitoring system, activities and frequencies for post-closure period (725.191; 725.218(a)(1)) |
| — | — | X | b. | sampling and analysis plan (725.192) |
| — | — | X | c. | outline of groundwater quality assessment program (725.193) |

ALL FACILITIES

27. Closure performance standard (725.211)

- | | | | | |
|---|---|---|----|---|
| X | X | — | a. | minimizes further maintenance |
| X | X | — | b. | protects human health and environment |
| X | X | — | c. | addresses all hazardous constituents (Part 721, Appendix H) |

28. Training requirements for cleanup activities

- | | | | | |
|---|---|---|----|--|
| X | X | — | a. | provisions made to ensure that site workers will receive training in accordance with 29 CFR, Part 1910 |
|---|---|---|----|--|

29. Part A Status

- | | | | | |
|---|---|---|----|--|
| X | — | — | a. | Part A and HWDMS reviewed |
| X | — | — | b. | discrepancies between units and design capacities in Part A, HWDMS and closure plan resolved |
| X | — | X | c. | for complete closure -- all units closed or withdrawn |
| X | — | — | d. | revised Part A or withdrawal request to be submitted with closure certification |

30. SWMU status

- | | | | | |
|---|---|---|----|---|
| — | — | — | a. | initial screening completed |
| — | — | — | b. | initial screening previously submitted |
| — | — | — | c. | environmentally significant information found during file search |
| — | — | — | d. | Certification of Continuing Releases received from facility |
| — | — | — | e. | units identified by facility consistent with those found during file search |
| — | — | — | f. | releases indicated on certification |
| — | — | — | g. | releases to be cleaned up under closure |
| — | — | — | h. | releases to be referred to US EPA for action |
| — | — | — | i. | SWMU's not previously identified discovered during closure? |

→ See Part B Log No. 111 For Details.

Date: January 7, 1991

NOTICE OF CLOSURE
CLOSURE NO. 572

A plan to close the Sherex Chemical Company, Inc. hazardous waste drum storage area located Mapleton, Illinois, has been submitted to the Illinois Environmental Protection Agency (IEPA) pursuant to Subpart G of 35 Ill. Adm. Code 725. The facility is a producer of fatty acid derivatives and metal organic compounds. The drum storage area had been used in the past to store off-spec material prior to off-site disposal. This waste exhibited the characteristic of ignitibility. Sherex plans to close this area since it is no longer used for the storage of hazardous waste. The facility will remain open following closure.

At this time the IEPA is also requesting that the facility provide information concerning any prior release of hazardous waste constituents from any solid waste management facility on the site.

Interested persons are invited to submit written comments on the plan or request modifications of the plan or provide information on the release, at any time, of hazardous waste constituents from the facility, within 30 days of the first publication date of this notice. Written comments must be addressed to the IEPA, Government & Community Affairs, Attn: Heather Nash, 2200 Churchill Road, P.O. Box 19276, Springfield, Illinois 62794-9276.

The site must be closed in accordance with the standards set forth in the Environmental Protection Act, Ill. Rev. Stat., Ch. 111 1/2, Pars. 1001 et seq., and regulations adopted thereunder.

The proposed closure plan, closure performance requirements, and other documents are available for inspection and may be copied at the IEPA's Springfield headquarters. There is no charge for the first 400 pages copied. There is a 25 cents charge for each page copied over 400.

An appointment to inspect the proposed closure plan must be made in advance by contacting the Division of Land Pollution Control, Freedom of Information Act (FOIA) coordinator at 2200 Churchill Road, P.O. Box 19276, Springfield, Illinois 62794-9276, 217/782-6760. Please refer to the closure number under the heading at the top of this advertisement when contacting the FOIA coordinator.

In response to requests or at the discretion of the IEPA, a public hearing may be held to clarify one or more issues concerning the closure plan. Public notice will be issued 30 days before any public hearing.

HN:rmi/44q/16-17

C-572



December 28, 1990

Mr. Lawrence W. Eastep, P.E. Manager
Permit Section
Division of Land Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
P.O. Box 19276
Springfield, IL 62794-9276

Sherex Chemical Company, Inc.

P.O. Box 9
U.S. Route 24
Mapleton, IL 61547
Telephone: (309) 697-6220
Telefax: (309) 697-9493

Certified Mail

RE: LPC #1438050006 - Peoria Co.
Sherex Chemical Co., Inc.
ILD095792859
RCRA Permit Log #111

Dear Mr. Eastep:

Pursuant to agency's September 14, 1990, Notice of Deficiency (NOD) and Sherex's November 5, 1990 response, enclosed please find four (4) copies of the Closure Plan for the Old Storage Area #1.

Should you have any questions, please contact me at 309/697-6220, Ext. 322.

Sincerely,

A handwritten signature in black ink, appearing to read 'Serin R. Rao', with a horizontal line underneath.

Serin R. Rao, P.E.
Manager, Environmental Engineering

SRR:ksw
a:ltr-eastep

Enclosures (6)

RECEIVED

JAN 4 1991

IEPA-DLPC

A Schering Berlin Company



MEMORANDUM

DATE: February 26, 1991
TO: LPC File
FROM: Heather Nash
SUBJECT: RCRA Closure

148050006/Peoria
Sherex Chemical Co., Inc.
ILD095792859
RCRA Closure

Notice of Closure

Notice of closure for the Sherex Chemical Company Inc. drum storage area, located in Mapleton, Illinois, first appeared January 17, 1991 in the Pekin Daily Times. The public comment period ended February 19, 1991.

Maria Walker, a reporter with the Pekin Daily Times, called on February 1, 1991 with questions regarding the closure. She was referred to the appropriate permit reviewer.

HN:kkw/0517q,47

Date: January 7, 1991

NOTICE OF CLOSURE
CLOSURE NO. 572

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The site must be closed in accordance with the standards set forth in the Environmental Protection Act, Ill. Rev. Stat., Ch. 111 1/2, Pars. 1001 et seq., and regulations adopted thereunder.

The proposed closure plan, closure performance requirements, and other documents are available for inspection and may be copied at the IEPA's Springfield headquarters. There is no charge for the first 400 pages copied. There is a 25 cents charge for each page copied over 400.

An appointment to inspect the proposed closure plan must be made in advance by contacting the Division of Land Pollution Control, Freedom of Information Act (FOIA) coordinator at 2200 Churchill Road, P.O. Box 19276, Springfield, Illinois 62794-9276, 217/782-6760. Please refer to the closure number under the heading at the top of this advertisement when contacting the FOIA coordinator.

In response to requests or at the discretion of the IEPA, a public hearing may be held to clarify one or more issues concerning the closure plan. Public notice will be issued 30 days before any public hearing.

HN:rmi/44q/16-17

PS Form 3811, Apr. 1989

U.S. G.P.O. 1989-234-555

DOMESTIC RETURN RECEIPT

13/91

7 Date of Delivery

8 Signature of Agent

9 Signature of Addressee

C 572

P 367 388 019 PA 24

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

Shirley Ann (See Reverse)

Sent to *Delink Rte 12 Mgr*

Street and No. *Environmental Engineering*

P.O. Box 9

State and ZIP Code *Mapleton, UT 84547*

Postage	\$ 45
Certified Fee	85
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	90
Return Receipt showing to whom Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 229
Postmark or Date	

PS Form 3800, June 1985



USEPA

217/782-6762

Refer to: 1438050006 -- Peoria County
Sherex Chemical Co.
Closure Plan Approved: January 28, 1991
Closure Log # C-572
ILD095792858
RCRA CLOSURE

Certified No.:

December 26, 1991

Sherex Chemical Co.
Attn: Serin Rao
P.O. Box 9
Mapleton, IL 61547

Dear Mr. Rao:

This letter will acknowledge receipt of the closure certification dated September 19, 1991, and received by the Agency on October 1, 1991.

According to 35 Ill. Adm. Code, Section 725.215, certification of closure is to be provided in accordance with specifications in the approved closure plan. The approved closure plan for this facility consists of the plan which was submitted by Sherex Chemical Co. and prepared by Regulatory Compliance Professionals, Inc. dated January 4, 1991, and the conditions of the January 28, 1991, letter from Lawrence W. Eastep, P.E.

The Agency has determined that the closure of this hazardous waste container storage area was not conducted in accordance with the approved closure plan and is hereby disapproved for the following reasons:

1. An amended Part A application was not included with the closure certification document as required by condition No. 4 of the closure permit.
2. The signature for Sherex Chemical Co. on the closure certification statement does not meet the requirements of 35 Ill. Adm. Code 702.126 as required by condition No. 1 of the closure permit.
3. The sampling method for the wash water and the rinse water was not included with the closure certification document as required by condition No. 1e of the closure permit.
4. Rinse water and wash water were not sampled according to SW-846 as required in Section III of the closure plan.

5. No revised financial assurance documents were included with your closure certification document as required by condition No. 6 of the closure permit.

Closure certification for this facility will not be approved by the Agency until all requirements of the approved closure plan are met. Certification documents meeting these requirements must be received by the DLPC Permit Section in Springfield by no later than February 1, 1991. The attached certification form must be used. If, instead, you wish to pursue a closure plan modification, such a modification request must be submitted to the DLPC Permit Section by no later than February 1, 1992.

Should you have questions regarding this matter, please contact James Jones at 309/693-5462.

Sincerely,



Glenn D. Savage, Manager
Field Operations Section
Division of Land Pollution Control

GDS:JJJ:sjd

ATTACHMENT

cc: Peoria Region
Division File
USEPA Region V - George Hamper
Mark R. Zimmerman, P.E.
Andy Vollmer
Planning and Reporting Section
Permit Section
Enforcement Section

ATTACHMENT

This statement is to be completed by both the responsible officer and by the registered professional engineer upon completion of closure. Submit one copy of the certification with original signatures and three additional copies.

Closure Certification Statement

Closure Log C-572

The hazardous waste management S01 Unit, at the facility described in this document has been closed in accordance with the specifications in the approved closure plan. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

USEPA ID Number

Facility Name

Signature of Owner/Operator

Name and Title

Signature of Registered P.E.

Name of Registered P.E.
and Illinois Registration
Number

Date

C-751
Witco

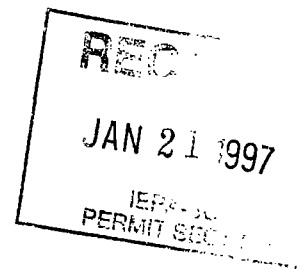
cc: FOS
USEPA
Tosol
JPM
MG5
Witco Corporation
U.S. Route 24
P.O. Box 9
Mapleton, IL 61547
(309) 697-6220
(309) 697-9493 Fax

January 17, 1997

UPS Delivery

Illinois Environmental Protection Agency
Bureau of Land--#33
Permit Section
2200 Churchill Road
Springfield, Illinois 62794-9276

RE: Sherex Chemical Co., Inc. - Mapleton Plant
Drum (S01) Storage Areas #1 and #2
USEPA #ILD095792859
Illinois LPC #1438050006
IEPA Log #C-751
Closure Report



Dear Sir/Madam:

Enclosed please find three (3) original copies of the Closure Report for the above referenced former drum storage areas at the Mapleton, Illinois facility. Also enclosed is the document, LPC-PA18 completed with the information required to make the submittal to the Agency.

Should you have any questions about this submittal, please contact me at 309/697-6220, Ext. 322.

Sincerely,

Serin R. Rao, P.E.
Manager
Safety, Health, and Environmental Affairs

SRR:ksw
g:closure

Enclosures

cc: BodineEnvironmental Services, Inc.



A Company Dedicated To Total Quality



RCRA INTERIM STATUS CLOSURE AND POST-CLOSURE
CARE PLANS GENERAL FORM
LPC-PA18

THIS FORM MUST ACCOMPANY ANY RCRA INTERIM-STATUS CLOSURE AND/OR POST-CLOSURE CARE PLANS OR MODIFICATION REQUEST SUBMITTED TO THE DIVISION OF LAND POLLUTION CONTROL. THE ORIGINAL AND TWO COPIES OF ALL DOCUMENTS SUBMITTED MUST BE PROVIDED.

FACILITY IDENTIFICATION (Information about the facility where the units are located which are addressed in this closure plan)

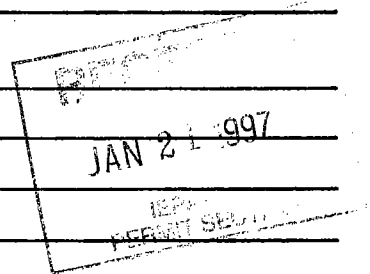
Name: Sherex Chemical Co., Inc. County: Peoria
Street Address: U.S. Route 24 Site # (IEPA): 1 4 3 8 0 5 0 0 0 6
City: Mapleton Site No. (USEPA): I L D 0 9 5 7 9 2 8 5 9

OWNER INFORMATION

Name: Sherex Chemical Co., Inc.
(A wholly owned subsidiary of Witco Corp.)
Mailing Address: U.S. Route 24
P.O. Box 9
Mapleton, IL 61547
Contact Name: Serin Rao, P.E., DEE
Contact Title: Mgr. Safety, Health & Environmental Affairs
Phone #: (309) 697-6220 Ext. 322

OPERATOR INFORMATION

Same



TYPE OF SUBMISSION (check applicable item and provide requested information, as applicable)

☐ Original (New) Closure Plan Log No. of Most Recent Agency
☐ Original (New) Post-Closure Plan Approval/Disapproval Letter C-751 (PCB91-202)
☐ Response to Disapproval letter Date of Most Recent Agency
☐ Modification Request Approval/Disapproval Letter Dec. 12, 1995
☐ Additional Information for ____ / ____ / ____ Submittal (Log No. ____ if known)

DESCRIPTION OF SUBMITTAL: (briefly describe what is being submitted)

Closure Report (final) for two S 01 units

LIST OF DOCUMENTS SUBMITTED (identify all documents in this submittal, including the cover letter)

Cover letter from Sherex Chemical Co., Inc./Witco
LPC-PA18 Form

(3) Copies in 3 ring binders of Final Closure Reports(s)

UNITS UNDERGOING CLOSURE (please identify what type of units are addressed in the plan, their capacities and whether they are on the RCRA Part A for the facility)

Unit	Unit Code	Number of Units Closing	Capacity	On Part A (Y/N)
Storage:				
Container (barrel, drum, etc.)	S01	<u>2</u>	<u>10,585 Gals</u>	<u>Y</u>
Tank	S02	<u> </u>	<u> </u>	<u> </u>
Waste Pile	S03	<u> </u>	<u> </u>	<u> </u>
Surface Impoundment	S04	<u> </u>	<u> </u>	<u> </u>